



POLY-VENT®

With our Poly-Vent ventilation system you'll have an economical alternative to rack & pinion, and you'll save in a host of other ways, too. Save on electrical bills by reducing the use of large fans, save on heating costs because Poly-Vent's dead air space provides an effective layer of insulation, and reduce your maintenance time with fewer moving parts. Able to accommodate most greenhouse sidewalls, our system provides improved water drainage. Choose from single-stage or two-stage options to provide your product with superior ventilation.

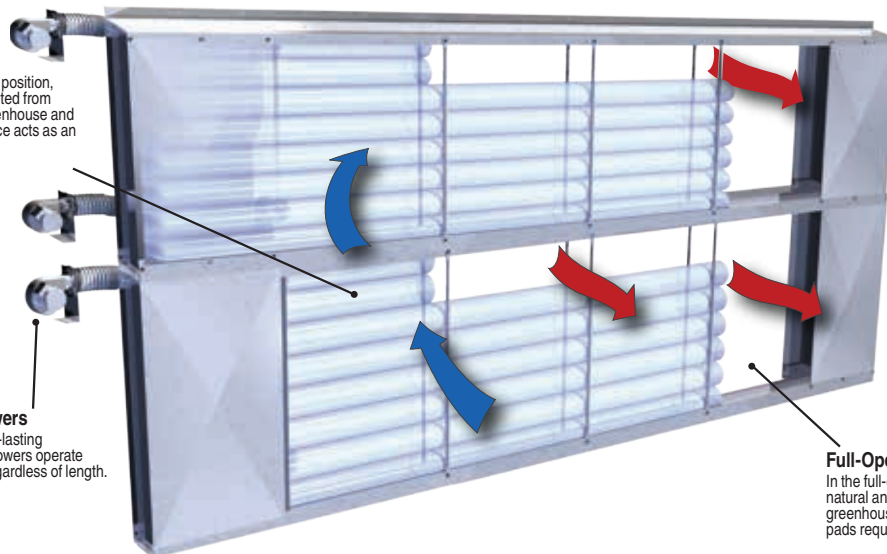


Full-Closed

In the full-closed position, cool air is prevented from entering the greenhouse and the dead air space acts as an insulated wall.

Control Blowers

One or two long-lasting squirrel-cage blowers operate the ventilator regardless of length.



Mix and Match

For maximum sidewall ventilation mix and match single + two-stage stacked systems to any height.

Full-Open

In the full-open position, Poly-Vent allows complete, natural and free movement of outside air into the greenhouse. There are no expensive fans or cooling pads required.

FEATURES

Versatility: Most greenhouses with straight side walls can easily be renovated to accommodate the Poly-Vent system; it can also be used as a ridge vent on most saw-tooth style greenhouses

Longer Life: Unlike more expensive systems, Poly-Vent has very few moving parts, so there is less to wear out or break down

Gradual Air Exposure: Poly-Vent opens slowly from the top to gradually mix colder outer air with warmer greenhouse air, preventing "cold air dump" on fragile plants

Superior Insulation: The tubing air space provides improved insulation compared to a single poly layer, helping to reduce heating costs

Maximum Light Access: When fully open, Poly-Vent allows your plants full access to sunlight for superior growth

POLY-VENT II (Single-stage)

Base Frame Includes: Poly-Vent II, top and bottom 24 gauge galvanized Poly-Vent gutter, galvanized front/rear guides and hardware.

Optional Stacking Frame Includes: Poly-Vent II, top and 24 gauge galvanized Poly-Vent gutter, galvanized front/rear guides and hardware.

End Package Includes: Sheet metal enclosures for both ends of frame, one blower to inflate Poly-Vent II, blower mount, one 3-inch diameter flex tube, air transfer gaskets and all hardware.

Base frame		Stacking frame (optional)		End package	
Size	Part #	Part #	Part #	Part #	Part #
24"	PV7022	PV7122		PV8022	
36"	PV7032	PV7132		PV8032	
48"	PV7042	PV7142		PV8042	
60"	PV7052	PV7152		PV8052	

Note: Frame must be purchased in two foot increments. Poly-Vent can be custom cut to any size.

POLY-VENT III (Two-stage)

Base Frame Includes: Poly-Vent III, top and bottom 24 gauge galvanized Poly-Vent gutter, galvanized front/rear guides and hardware.

Optional Stacking Frame Includes: Poly-Vent III, top 24 gauge galvanized Poly-Vent gutter, galvanized front/rear guides and hardware.

End Package Includes: Sheet metal enclosures for both ends of frame, two blowers to inflate Poly-Vent III, blower mounts, two 3-inch diameter flex tubes, air transfer gaskets and all hardware.

Base frame		Stacking frame (optional)		End package	
Size	Part #	Part #	Part #	Part #	Part #
36"	PV7033	PV7133		PV8033	
48"	PV7043	PV7143		PV8043	
60"	PV7053	PV7153		PV8053	

Note: Frame must be purchased in two foot increments. Poly-Vent can be custom cut to any size.

Replacement Poly-Vent Plastic

Size	Poly-Vent II part #	Poly-Vent III part #
24"	PV3500	-
36"	PV3502	PV3532
48"	PV3504	PV3534
60"	PV3506	PV3536

Note: \$15 cut charge if less than stock roll. \$32 to cut and seal both ends

Poly-Vent Back-Up Blower System

The back-up blower system will keep your Poly-Vent system inflated in the unlikely event of a power outage. Includes adapter plate, control box, DC blower, battery charger w/auto shut off. (12 volt battery is not included.)

Part #	Description
BUBSII	Poly-Vent II back-up blower system
BUBSIII	Poly-Vent III back-up blower system

The Best Thermostat For Your System:

We recommend the Schaefer Mechanical Thermostat for your Poly-Vent system.

This rugged thermostat is code approved and moisture resistant to withstand the greenhouse environment. It features a wide temperature range and narrow operating differential for reliable control.



One-speed heating or cooling
RR5003



Two-stage heating or cooling
RR5010

REPLACEMENT PARTS



Poly-Vent Blower
PT2448



Blower Mounting Bracket
PT2409



Air Transfer Gasket
PT2436



Flex Tubing
3" x 5' PT2437
3" x 2' PT2443
3" x 25' PT2438

ROLL-UP SIDE VENTILATION



Retro fit your existing greenhouse, up to 96', with roll-up side ventilation for natural airflow. Roll-up side kit includes: 1.315" tube w/swage (116"), roll-up tube clips, cradles with "S" hook, brackets with "S" hook, roll-up poly curtain, 1/4" polyester rope. Finish your roll-up side with our roll-up end kit that includes: roll-up unit - FLC BS104, gearbox guide, roll-up end panel 24" x 68" 6MIL, guidemounting bracket, roll-up guide chain, 18" spike, fasteners.

Roll-Up Sides	
Part #	Description
N/A	Roll-up Side Kit
RC4010	End Package

Can only be used on structures up to 96'

HAF FANS

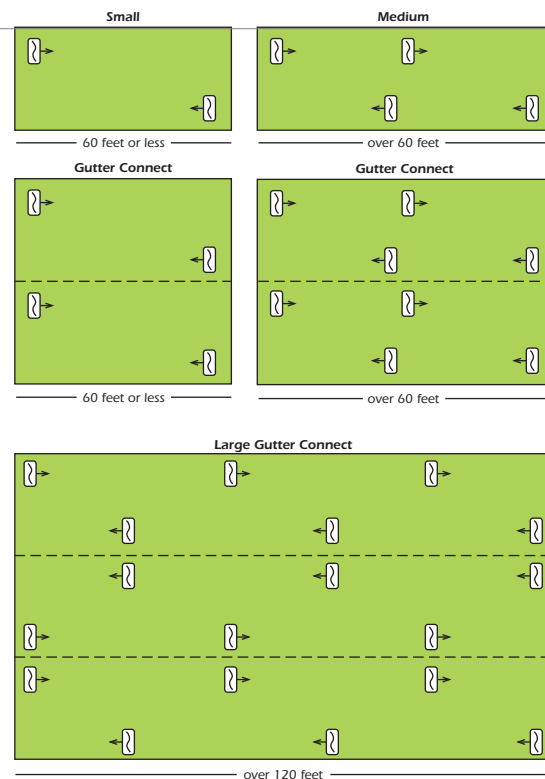


Schaefer Plant Air® HAF Circulation Fan

Use these circulation fans to implement Horizontal Air Flow (HAF) patterns throughout the greenhouse. The HAF system places small circulation fans strategically in the greenhouse creating a 'race-track' air flow pattern. This reduces humidity and moisture condensation, improves carbon dioxide availability and equalizes temperature. The Plant Air fan is no-maintenance. The totally enclosed motor never needs oiling and uses heavy-duty moisture resistant bearings for long-life.

12" Plant Air HAF Fan (VK12)

- **Gentle Air Movement**—ideal fan for any crop in any greenhouse
- **Quiet**—only 4.5 sones provide a quiet production or retail environment
- **Small Size**—easy placement, better clearance
- **Maintenance Free**—motor never needs oiling



Suggested placement of Schaefer Plant Air circulation fans in single and multiple greenhouses